**QUK-2** 

## IN THE UNITED STATES PATENT AND TRADEMARKS OFFICE

In re Application of: Peter S. Vosbikian et al.	)	MOPS WITH ONE OR MORE CLEANING MEMBERS
Filed: Herewith	)	

## INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith are patents (attached hereto and listed on the attached Form PTO-1449 (modified) which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

This Information Disclosure Statement accompanies the new patent application submitted herewith. 37 CFR § 1.97(a).

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR § 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR § 1.98 and MPEP § 609 and the Examiner is respectfully requested to consider the listed references.

1229008-1

Respectfully Submitted,

June 24, 2003

Jonathan A. Harris Reg. No. 44,744

Wildman, Harrold, Allen & Dixon 225 West Wacker Drive Chicago, Illinois 60606 Phone: (312) 201-2189

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Substitute	for form 14494/A	/PTO		Complete if Known			
				Application Number			
INFO	DRMATION	N DIS	CLOSURE	Filing Date			
STA	TEMENT I	BY AF	PPLICANT	First Named Inventor	Peter S. Vosbikian		
				Group Art Unit			
	(use as many she	eets as ne	cessary)	Examiner Name			
Sheet	1	of	5	Attorney Docket Number	QUK-2		

			U.S. PATEN	T DOCUMENTS		
Examiner Initials*	Cite No.1	U.S. Patent Docum Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US 2002/0162573 A1		Fernandez	November 7, 2002	
	2.	US 2002/0174502 A1		Cioci	November 28, 2002	
	3.	US 2002/0184726 A1		Kingry et al.	December 12, 2002	
	4.	2,254,487		McCune	September 2, 1941	
	5.	2,261,411		Rees	November 4, 1941	
	6.	2,262,334		Rugaard	November 11, 1941	
	7.	2,301,586		Rubin	November 10, 1942	

				FOREIGN PATE	NT DOCUMENTS			
	Cite No.1				Name of Patentee or Applicant of Cited	Date of Publication of	Pages, Columns, Lines	T <sup>6</sup>
	No.	Office <sup>3</sup>	Kind code <sup>5</sup>		Document Document	Cited Document MM-DD-YY	Where Relevant Passages or Relevant Figures Appear	
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<sup>\*</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number.

<sup>&</sup>lt;sup>2</sup> See attached Kinds of U.S. Patent Documents.

<sup>&</sup>lt;sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>&</sup>lt;sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>&</sup>lt;sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>&</sup>lt;sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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				Application Number				
INFO	ORMATI	ON DIS	CLOSURE	Filing Date				
			PPLICANT	First Named Inventor	Peter S. Vosbikian			
	LEIVELI			Group Art Unit				
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Sheet	2	of	5	Attorney Docket Number	QUK-2			

<u>.</u>	U.S. PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	U.S. Pate Number	Ent Document  Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
	8.	2,891,270		Reiter	June 23, 1959					
	9.	2,919,457		Cole	January 5, 1960					
	10.	3,014,230		Morgan	December 26, 1961					
	11.	3,161,905		Dryden	December 22, 1964					
	12.	3,199,136		George	August 10, 1965					
	13.	3,465,377		Thomas	September 9, 1969					

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Examiner Initials*	itials* No.1 Office3		Number <sup>4</sup>	ment(if	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	Τ°
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INFO	DRMATION	N DIS	CLOSURE	Filing Date		
STA	STATEMENT BY APPLICANT			First Named Inventor	Peter S. Vosbikian	
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			U.S. PATEN	T DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Pate Number	nt Document  Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	14.	3,760,450		Griffin et al.	September 25, 1973	,
	15.	3,792,505		Saltzstein	February 19, 1974	
	16.	4,184,224		Joffre	January 22, 1980	
	17.	4,748,710		Jones	June 7, 1988	
	18.	4,750,233		Swain	June 14, 1988	
	19.	4,793,019		Stima et al.	December 27, 1988	
	20.	4,852,210		Krajicek	August 1, 1989	

			1	FOREIGN PATE	NT DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Office <sup>3</sup>	Office <sup>3</sup> Number <sup>4</sup> Kind code <sup>5</sup> (if		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
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INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

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		·	U.S. PATEN	T DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Docu Number	Ment Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	21.	4,945,599		Flynn	August 7, 1990	
	22.	4,971,471		Sloan	November 20, 1990	
	23.	5,071,489		Silvenis et al.	December 10, 1991	
	24.	5,530,982		Specht	July 2, 1996	
	25.	5,888,006		Ping et al.	March 30, 1999	
	26.	5,960,508		Holt et al.	October 5, 1999	
	27.	5,988,920		Kunkler et al.	November 23, 1999	

Attorney Docket Number

			J	FOREIGN PATE	NT DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Office <sup>3</sup> Number <sup>4</sup> Kind code <sup>5</sup> (if known)			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T⁴
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	28.	6,003,191		Sherry et al.	December 21, 1999				
	29.	6,048,123		Holt et al.	April 11, 2000				
	30.	6,101,661		Policicchio et al.	August 15, 2000				
	31.	6,142,750		Benecke	November 7, 2000				
	32.	6,260,226		Specht	July 17, 2001				
	33.	6,540,424		Hall et al.	April 1, 2003				

			1	FOREIGN PATE	NT DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Office <sup>3</sup>	Foreign Patent Docu Number <sup>4</sup> Kind code <sup>5</sup>	ment (if	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	Т <sup>6</sup>
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